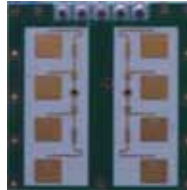


IPS-265

The IPS-265 is the stereo version of the IPM-165 and therefore the perfect choice for low cost applications where the detection of movement direction is necessary.

Product Family: Low Cost K-Band Transceiver

- Applications:**
- Door Openers
 - Security Applications
 - Industrial Applications



Features:

- » radar-based motion detector working in the 24GHz - ISM - Band
- » available in different frequency ranges for worldwide use
- » advanced LCO-oscillator with low current consumption
- » split transmit and receive path for maximum gain
- » dual channel operation for direction of motion identification

■	Movement
■	Velocity
■	Direction
■	Presence
■	Distance
■	Angle

RoHs Info: This product is compliant to the restriction of hazardous substances (RoHS - European Union directive 2002/95/EG).

ESD Info: This InnoSenT sensor is sensitive to damage from ESD. Normal precautions as usually applied to CMOS devices are sufficient when handling the device. Touching the signal output pins has to be avoided at any time before soldering or plugging the device into a motherboard.

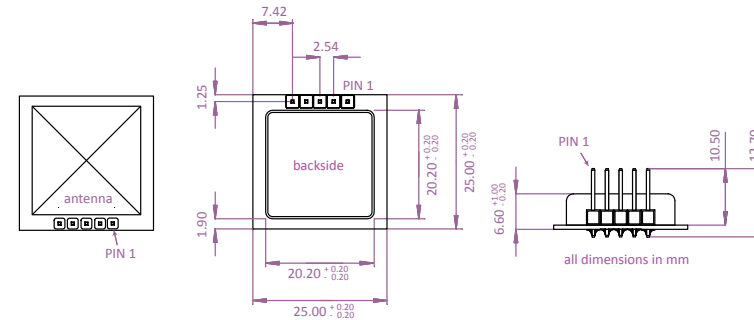


Approvals: Certified and approved according to

- ETSI EN 300 440
- FCC 15.245 (UXS2) (modular approval request)

certificate available on request

Outline Dimensions:



Technical Data:

Please contact InnoSenT for a detailed Data-Sheet.

Parameter	Symbol	Min.	Typ.	Max.	Units
transmit frequency	F	24.000		24.250	GHz
temperature drift (frequency)	Δf		-1		MHz/°C
output power (EIRP)	P_{out}		16		dBm
IF-output	offset	-300		300	mV
IF-amplifier	bandwidth	no IF-amplifier included			
full beam width @ -3dB	horizontal		80		°
	vertical		32		°
side-lobe suppression	horizontal		13		dB
	vertical		13		dB
supply voltage	V_{CC}	4.75	5.0	5.25	V
supply current	I_{CC}		30	40	mA
operating temperature	T_{OP}	-20		+60	°C